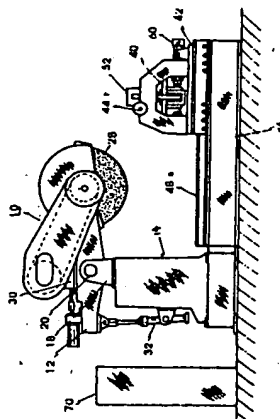


## ===== PAJ =====

TI - GRINDING MACHINE FOR CUTTING AND GRINDING AT CONSTANTLOAD  
AB - PURPOSE: To relieve the resistance against grinding work by furnishing a sensor part to sense the grinding resistance and by permitting the cutter to stop approaching the work or to part from it if the sensed resistance exceeds a certain specific value.  
- CONSTITUTION: An eccentric shaft 20 is born by a pair of bearings 16, 18 mounted upright on the body's bed 14 and a swing frame 12 supported freely to swing. A cutting wheel 28 is installed at the side of the front part of this frame 12 driven by a motor 30 to rotate in a vertical plane. A table 50 formed in the 'V' shape at its oversurface for placing of works is mounted on the table 40 solidly. A balancer 32 coupled to the rear end of the swing frame 12 is so controlled that its rod protruding in if the ammeter for sensing of the grinding resistance has sensed an amperage exceeding a certain specific value, i.e. if the grinding resistance exceeds the specified value, and accordingly the wheel 28 is turned up with said eccentric shaft 20 as axis to stay away from the work for a certain period of time. Thus the grinding resistance is relieved temporarily.

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